

Fig. 1

10 20 30 40 50 60 70 80 90 100  
 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890

ClaI  
 BspDI  
 ATCGATAGTC GTCACCAAT GGATTTTCG ATTTCTCACT AGTCCATGGC TCACAATTTA CAAATCTCG AGAAAAGAAA GGATGCAAGG AGTATGAAGA 100

SpeI  
 XhoI  
 PaeR7I  
 EarI

SspI  
 DraI  
 BstBI  
 GGTTCCGAAT CTAATAATTT TAATTTAAAA AAATCAATTT CGAATTGAAA TTCAACTCCT ACTCGTTTTC AAAATGCCAA TCCTTTAAGT AAATTTCTGG 200

BstBI  
 ATCGCCCATTT TCTTCCAGAA ATTCTTTCAA AGTAGTGGTT TTGTACTGAT TTCTCCGCA AAGAATAGGA ACTTTCGAAT CTCTGGAGC GAAACGGGAT 300

SspI  
 TTTSATAACA AAAAATATC CAGACAAACC ATAGGACTTT TTCAAATATT CCTATTTCG CTGTCCATTT GGAAGCACC AATCTTTAAC GCTGTCCAGC 400

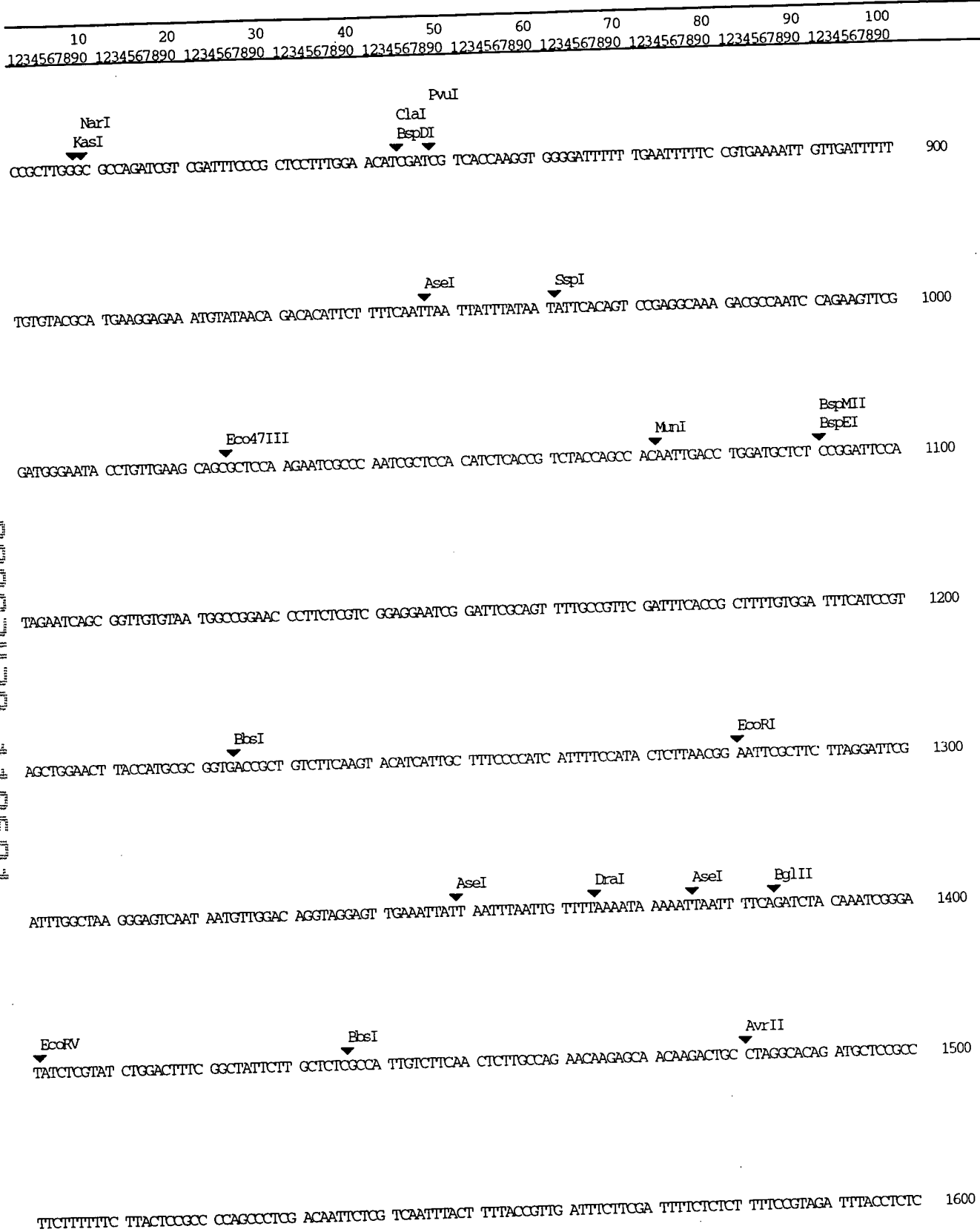
NcoI  
 CAGAAGTGCT CCACTGCCA AGGATAAAG GCTCATTTTT GAAGCGAAT TTACTTAAAA TCTCTAGCCA TGGAGTCGAT GGATCAGAAA TTGAGGAAT 500

TTTAGATTTC ATCTTGAAAT TTGCAATGGA AAAAATAATT ATTCAAAGAA AATCAGAGAA AATGCAACAA AAAAACAAA AAAAGAACA AAAACAAGTC 600

SmaI  
 XbaI  
 EarI  
 Esp3I  
 GAAAAGTGG CCCGGTGGT TTGCTGAGC ATCTCTTCAA ACGAGACGG CTGCTGGCG ACTTCTCGT CCTGTGGGT GCATTTCCGC AACAAAATTC 700

AACACTTGT TTGAAACGCA CCGCCCTGTT TCTTTTTC AATTTGATAA GAAATCAGC ATTGTTTCAG GATGATTAC ATTCCAACTG CGATTCTGTG 800

Fig. 2



F090T-024E660

Fig. 2

10 20 30 40 50 60 70 80 90 100  
 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890

EarI XbaI  
 CTTCTCGTTT TTTTTCCTCT GCTAGAATG TATATTATGA TTATGAAAC GAATAAAAT TTTAGATGAC AGCTGCACG GCGACAACCT CGCTGACGAA 1700

TCGGCGTAT CCGGACGAA CGATGGGAC TGGCAGATG AAGAGTTTC TGGGATAAA AGGCACAGAG CCCACGATT TTGGAATCAA TAGTGATGCT 1800

Mini EarI  
 CAGGACTTGC CATCACCAG TAGGCAGCT TCGACGCGAA GAATGTCCAT CGGAGATCA ATTGATGGAA AAATCAATGA TTGGGAAGAG CCAAGGCTTG 1900

EcoRV SalI  
 ATATCGAGGG ATTGTGGTA ATTTTAAAT TTTTCTTGT AAATAAAAT TCTGCTGCT TCCAGGTGA CTATTTCAG CACCGAATCC GGCAAAACGG 2000

AATGGAATGG TTTGAGCAC CGGAATTGCC GTGTGGAGTG CAACCGAGC ACGAAATGAT GCGAGTTATG GGAACGATAT TCGAGAAGAA GCACGCGGAA 2100

BsaI PvuII  
 AATTTTGA CTTCTGTGA GCAGCTGCTC GCAGTGCCA GAATCTCATT TTCACGTAT CAGGATGTGG TTCGGACGGT TGGAAATGCA CAGACAGATC 2200

BstBI  
 AATGTCCAAT GTCTTATGGA CGTTTGGTAA GGGAGAAAAT ACTGAAAAA AGTTTGCAA AATTGAAAA TTCGCCAGAA AGGTGGCAGA AAAACATTT 2300

GCAAAAATG TTTGTTTCC TTCAGGAAAT CAGCAAACT TGGTCAAAA TAGCCCAATT ATGTGCTTT TTTGAAAGTT TTCCATTAAA AAACACGAA 2400

D+DT

SspI D+DT D+T

Fig. 2

-3- of -8-

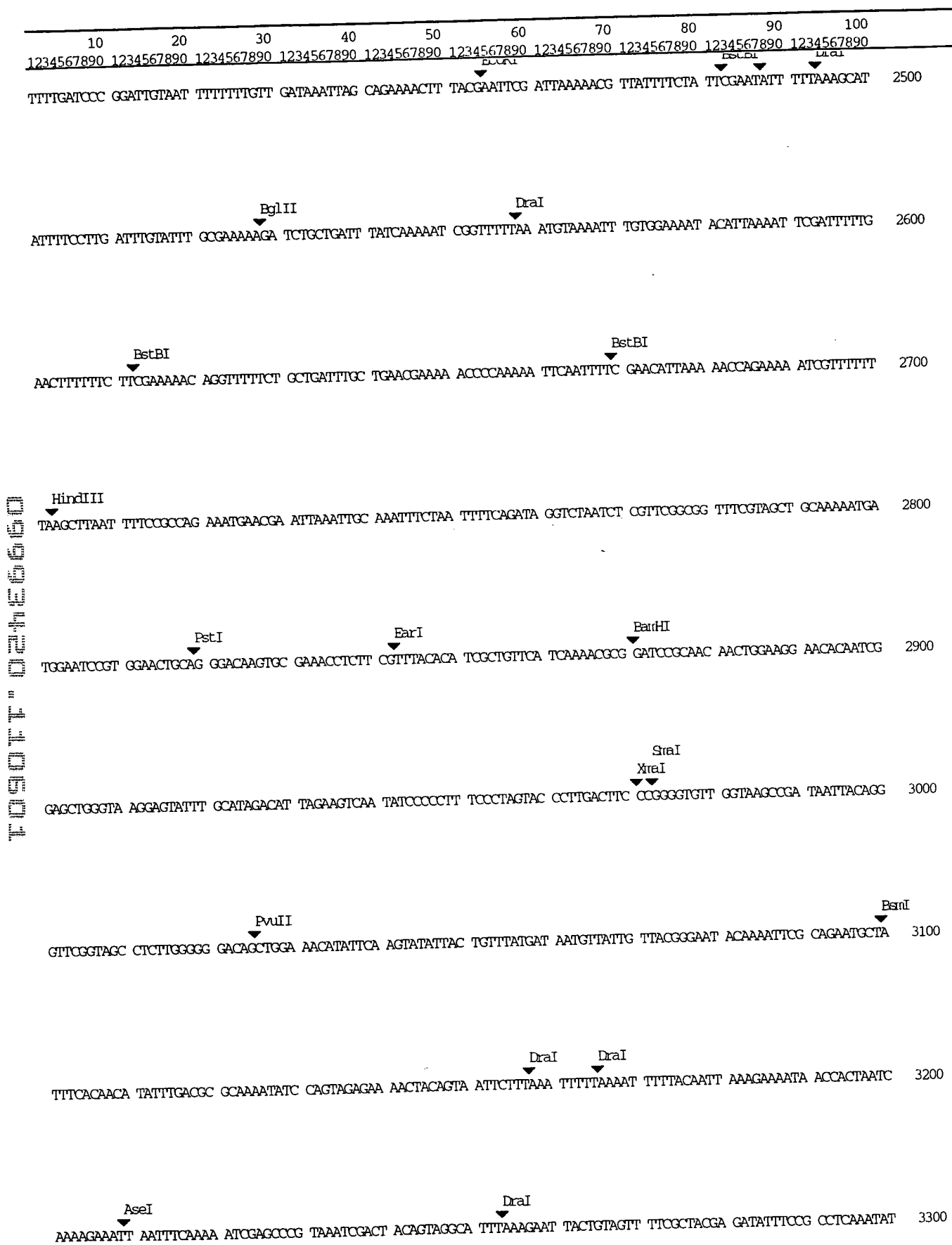


Fig. 2

10 20 30 40 50 60 70 80 90 100  
 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890

BsmI  
 GTGTGAAAT ACGCATTCAC GGATTTTGT GTTCCCGGA ATATGCTCTA AAGCATTATT TGTGAAATA AAAATCAAG AAAAAATTG CAGGACGACT 3400

BspHI  
 TCATGACACT CGGAAAACAA ATGAAAGAGG ACTACGAACG AGCAGAAGCT GAAAAAGTGG GACGCCGAA GCAGAACAGA CGGTGGTGA TGATTGGCC 3500

PvuII AseI  
 TGGAGTAACA GCTGGAGCCA TTGGAATCGT TGGAGTCGTC GTGTGTGGC GGATGATGTT CAGCTTGAAG TAACGTATTC AATTGTGTA AATAATTAA 3600

TTATGTACAA CTCCTACAT TTGAATCTCA TTTTGTCTCA CTGATCTCT CATCCTTGA ACTGGAAGAA GTGGGAAAGC TAGGCCACAA ATTACGGCTC 3700

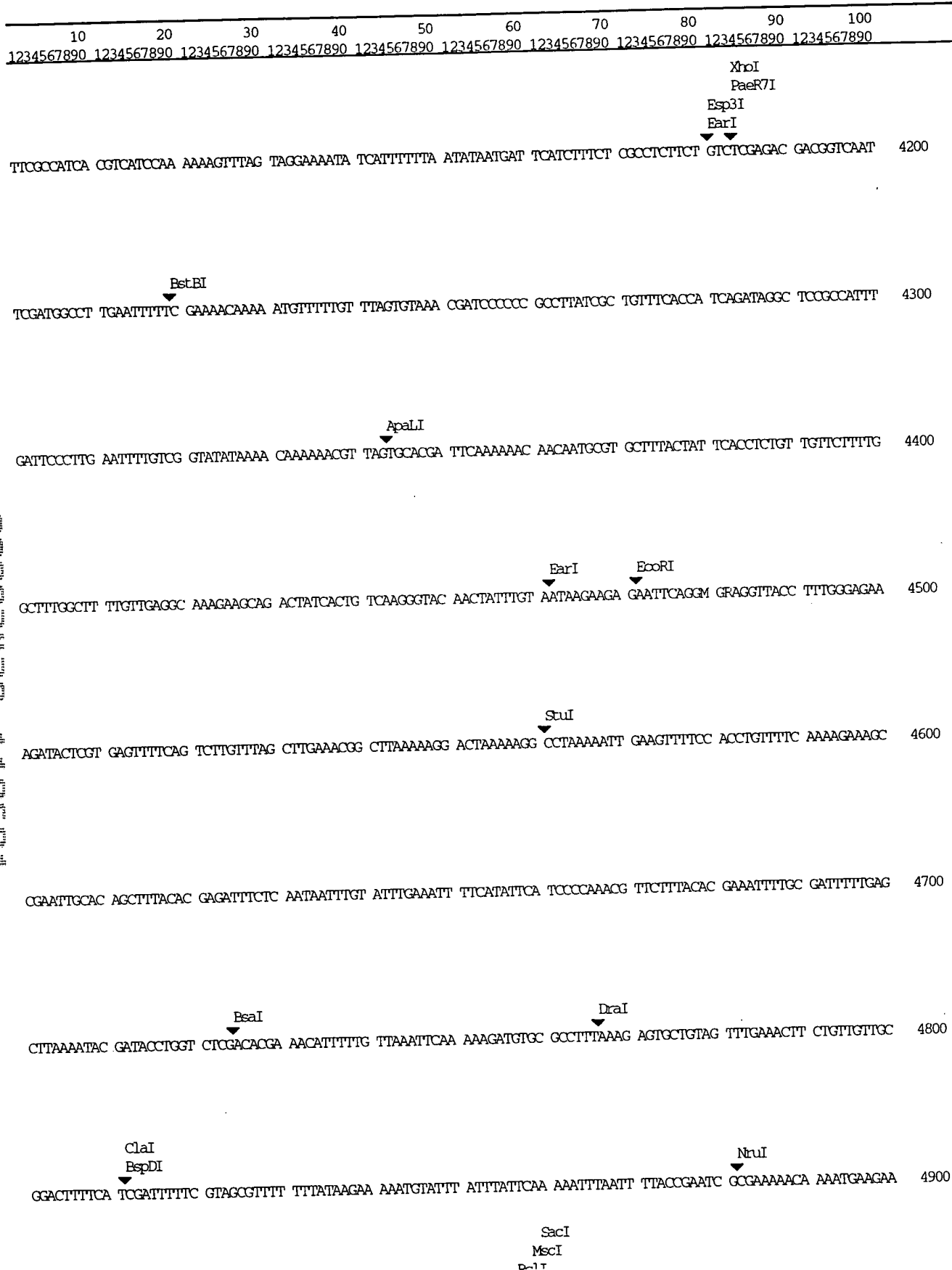
MscI  
 TCTGTGCGA TTTACGATTT TACTGCAATT TTTTCGATT GCTTTTTTT TGGCCAAAC CCTACTTCG CGTAATATCA ACTTTCCGT GTCTGTACA 3800

EcoRI  
 TTTCGTCAA AACCCGAAA CCTAAGTTT TCTGCGGTG GCTAGCCTC CGCTTCTCT TCCACATTC CAAAGTACC CTGTATCTCA ATAATTATC 3900

SplI BsiWI  
 EarI MluI  
 TTCATTAA CTGTCTTTT TGTGTGGC TCTTCCAAT CCCCCAAT TCTGTACG GTACCGGACT TTGTATTTAT TTTTTCAAA TTGTTTCTC 4000

TCTACAACAA CAAAAAAC GTTCTTTTA TTCAACCTT TTTTCGAAC GAACTGCA TTTTGATAAT AGCGTGCGC AAGAGAATCC GGTTTTCATT 4100

10993420-110601



T.D.9077 "02466600

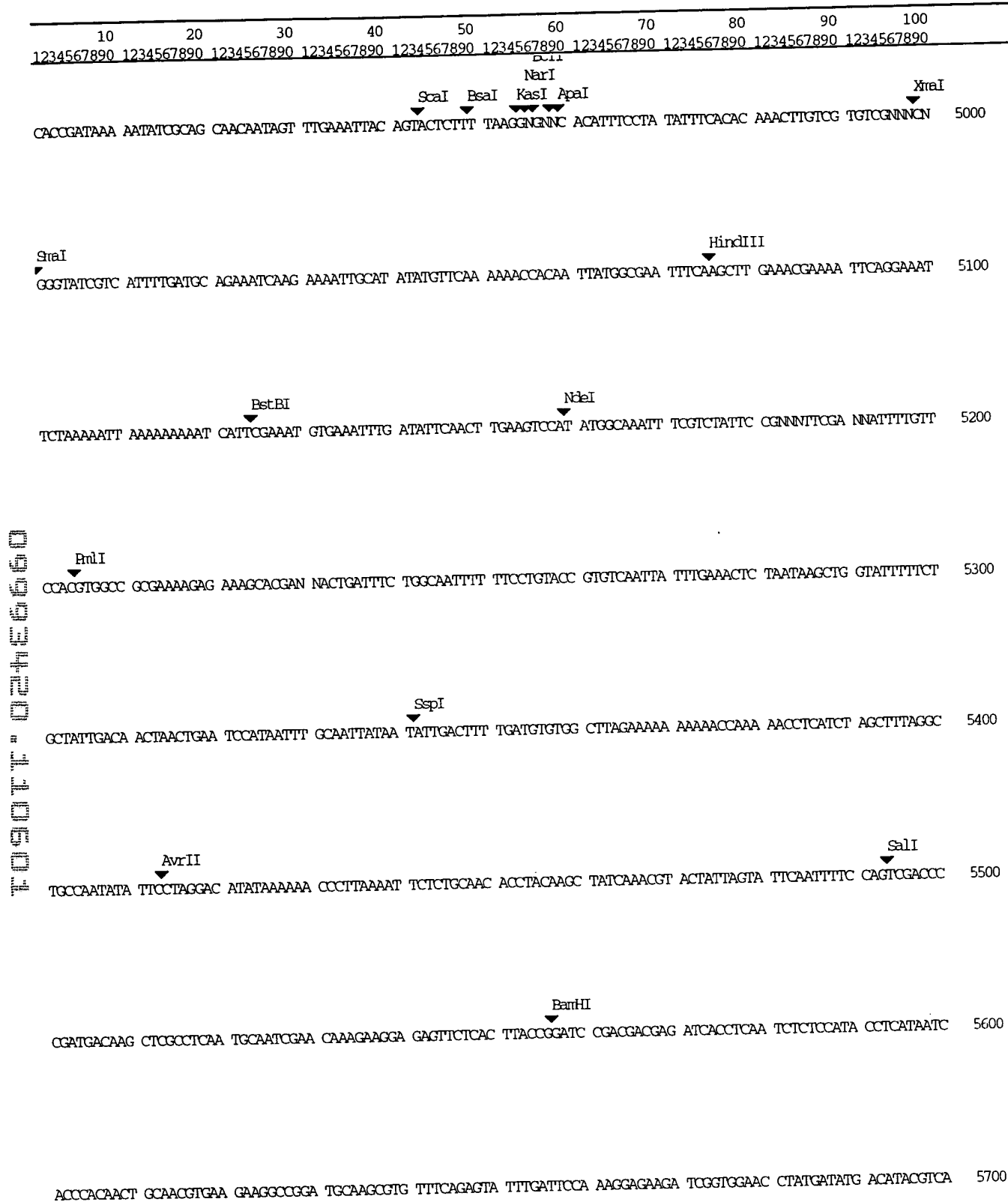


Fig. 2



10 20 30 40 50 60 70 80 90 100  
 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890  
 CTCTTGATAT TCCTTCGGCT AAAGACAAGG AGAAGTCTA AGAAATGTT TTTTGTGTTT GGTTCCTTG TTTGGAAGG AAGACTTTC TATCTCTTTT 5800  
  
 AATTCAACAA TAAACTATTG GAAACCGTT GAAATTTTAA CCTGAACTG TAAGAAAAGT TCGTGATTA TGTGACAAT TTGCAAGT ATATCTTTGT 5900  
  
 EcoRV SspI AseI BsmI  
 GGATATCACA ATAAACGAAG TCAAAGCAG AAATATTACG GAAACACAAA ATTAAATGAGA ATGGGCAACA TATTGACCG CAAATATCT CTAGCGAAA 6000  
  
 Eco47III SacI SspI  
 CTACAGTAAT TCCTCAAAG ACTACTGTAG CGCTGTGTCG ATTTACGAGC TCGATTTTGT AAATGAATCA GACTAGAAGA AAAGGAGGAA AATATTGAAC 6100  
  
 MniI BbsI  
 ATCAATTGAA CATCAATCA AAAAGTCGAA CCCGTGACTA CAGTAGTCTT CTAAGAATT ACTGTAGTTT TCGCTACGAG ATATTTTNG NGTCAATAT 6200  
  
 GTTGNGCAAT ACGCATCTC AGAATTGTGT GTTCTGTAA TGCTTGAAA ATTTCCATT TCAACATCA ATAAGCAAT CTAAAAATGT GGGTCTGCA 6300  
  
 PstI DraI  
 GCGACCTA TGACTGTGAT CGTGCAAGA CCCACTCAGA AACTACGTG TTCTTTTAAA CAAATACATT TTTAAGTAT GTAGGTATAA AAATTGTTG 6400  
  
 NheI SalI BbsI HindIII  
 CTAGCAGTCT AGGCTGCCTT TTTCAGTCA CAACTTCTA ATTTAATCGG CGGCTCTCA AAAAGTCGT TCCTTGAAAA TATAAGCTT TATATATTTA 6500  
  
 EcoRV SpeI  
 TATATTAAAA ATTTTGATT CAATGATCA AAAGGACTA GTTGTATAA AAATTATCA 6560

1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890

10 20 30 40 50 60 70 80 90 100  
1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890

TTTGAGATGA CACGCTGCAC GGCGGACAAC TCGCTGACGA ATCCGGCGTA TCGGGCAGCA ACGATGGCGA CTGGCGAGAT GAAGGAGTTT CTGGGGATAA 100  
MetT hrArgCysTh rAlaAspAsn SerLeuThrA snProAlaTy rArgArgArg ThrMetAlaT hrGlyGluMe tLysGluPhe LeuGlyIleL

AAGGCACAGA GCCCACCAGT TTTGGAATCA ATAGTGATGC TCAGGACTTG CCATCACCGA GTAGGCAGGC TTCGACGCGA AGAATGTCCA TCGGAGAGTC 200  
ysGlyThrGl uProThrAsp PheGlyIleA snSerAspAl aGlnAspLeu ProSerProS erArgGlnAl aSerThrArg ArgMetSerI leGlyGluSe

EcoRV Sall  
AATTGATGGA AAAATCAATG ATTGGGAAGA GCCAAGGCTT GATATCGAGG GATTGTGGT CGACTATTTC ACGCACCAGT TCCGGCAAAA CGGAATGGAA 300  
rileAspGly LysileAsnA spTrpGluGl uProArgLeu AspIleGluG lyPheValVa lAspTyrPhe ThrHisArgI leArgGlnAs nGlyMetGlu

TGTTTGGAG CACCGGGATT GCCGTGTGGA GTGCAACCGG AGCAGCAAAAT GATGCGAGTT ATGGGAACGA TATTCGAGAA GAAGCACCGG GAAAATTTTG 400  
TrpPheGlyA laProGlyLe uProCysGly ValGlnProG luHisGluMe tMetArgVal MetGlyThrI lePheGluLy sLysHisAla GluAsnPheG

PvuII  
AGACCTTCTG TGACGAGCTG CTCGCAGTGC CCAGAATCTC ATTTTCACTG TATCAGGATG TGTTTCGGAC GGTGGGAAAT GCACAGACAG ATCAATGTCC 500  
luThrPheCy sGluGlnLeu LeuAlaValP roArgileSe rPheSerLeu TyrGlnAspV alValArgTh rValGlyAsn AlaGlrThra spGlnCysPr

PstI  
AATGTCTTAT GGACGTTTGA TAGGTCTAAT CTCGTTCCGC GGTTCGCTAG CTGCAAAAAT GATGGAATCC GTGGAATGCG AGGGACAAGT GCGAAACCTC 600  
oMetSerTyr GlyArgLeuI leGlyLeuII eSerPheGly GlyPheValA laAlaLysMe tMetGluSer ValGluLeuG lnGlyGlnVa lArgAsnLeu

BamHI BspHI  
TTCGTTTACA CATCGCTGTT CATCAAAACG CGGATCCGCA ACAACTGGAA GGAACACAAT CGGAGCTGGG ACGACTTCAT GACACTCGGA AAACAAATGA 700  
PheValTyrT hrSerLeuPh elleLysThr ArgIleArgA snAsnTrpLy sGluHisAsn ArgSerTrpA spAspPheMe tThrLeuGly LysGlnMetL

PvuII  
AAGAGGACTA CGAACGAGCA GAAGCTGAAA AAGTGGGACG CCGGAAGCAG AACAGACGGT GGTGATGATG TGGCGCTGGA GTAACAGCTG GAGCCATTGG 800  
ysGluAspTy rGluArgAla GluAlaGluL ysValGlyAr gArgLysGln AsnArgArgT rpSerMetIl eGlyAlaGly ValThrAlaG lyAlaIleGl

AseI  
AATCGTTGGA GTCGCTGTGT GTGGCGGAT GATGTTTACG TTGAAGTAAC GTATTCAATT TGTGTAAATA ATTAATTTAT GTACAACTCC TTACATTGGA 900  
ylleValGly ValValValC ysGlyArgMe tMetPheSer LeuLys...

ATCTCATTTT KGCTCACTGA TTCTCTCATC CTTTGAAC TG GAAGAAGTGG GAAAGCTAGG CCACAAATTA CGGCTCTCTG TGTCGATTTA CGATTTTACT 1000

Bali  
GCAATTTTTT CCGATTGCCT TTTTITTTGG CCAAACCCTA CTCCCGGTA ATATCAACTT TTCCGTGTTC TGTACATTTC GTCAAAAACC CTGAAACCCT 1100

AACTTTTCTC GCCGTGGCCT AGCCTCCCGC TTCTCTTCCA CATTTCCAAA GTACCCCTGT ATCTCAATAA TTCATCTTCA CTTTAACTGT CTCTTTTTCGT 1200

SplI MluI  
GTGGCCTCTT CCAACTCCCC CCAATTCCT GTACGCGTAC GCGACTTTGT ATTTATTTTT TTCAAATTGT TTTCTCTCTA CAACAACAAA AAAACCGGTT 1300

CAAAAAAAAA AAAAA

1315

Fig. 3

10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
MTRCTADNSL	TNPAYRRRTM	ATGEMKEFLG	IKGTEPTDFG	INSDAQDLPS	50
PSRQASTRM	SIGESIDGKI	NDWEEPRLDI	EGFVVDYFTH	RIRQNGMEWF	100
GAPGLPCGVQ	PEHEMMRVMG	TTFEKKHAEN	FETFCEQLLA	VPRISFSLYQ	150
DVVRTVGNAQ	TDQCPMSYGR	LIGLISFGGF	VAAKMMESVE	LQGQVRNLFV	200
YTSLFIKTRI	RNNWKEHNRS	WDDFMTLGKQ	MKEDYERAEA	EKVGRRKQNR	250
RWSMIGAGVT	AGAIGIVGVV	VCGRMMFSLK			280

Fig. 4

MTRCTADNSL TNPAYRRRTM ATGEMKEFLG IKGTEPTDFG INSDAQDLPS 50

PSRQASTRRM SIGESIDGKI NDWEEPRLDI EGFVVDYFTH RIRQNGMEWF 100  
n1653ts (TAT -> AAT) N

GAPGLPCGVQ PEHEMMRVMG TIFEKKHAEN FETFCEQLLA VPRISFSLYQ 150  
E (GGA -> GAA) n1950

DVVRTVGNAQ TDQCPMSYGR LIGLISFGGF VAAKMESVE LQGQVRNLFV 200  
↓  
STOP (CAG -> TAG) n2077

YTSLFIKTRI RNNWKEHNRS WDDFMTLGKQ MKEDYERAEA EKVGRRKQNR 250

RWSMIGAGVT AGAIGIVGVV VCGRMMFSLK 280

Fig. 5

**SECRET**

Fig. 6

1 GCGCCCGCCC CTCCGCGCCG CCTGCCCCGC CGCCCGCCGC GCTCCCGCCC  
 51 GCCGCTCTCC GTGGCCCCGC CGCGCTGCCG CCGCCGCCGC TGCCAGCGAA  
 101 GGTGCCGGGG CTCCGGGCCC TCCCTGCCGG CGGCCGTCAG CGCTCGGAGC  
 151 GAACTGCGCG ACGGGAGGTC CGGGAGGCGA CCGTAGTCGC GCCGCCGCGC  
 201 AGGACCAGGA GGAGGAGAAA GGGTGCGCAG CCCGGAGGCG GGGTGCGCCG  
 251 GTGGGGTGCA GCGGAAGAGG GGGTCCAGGG GGGAGAACTT CGTAGCAGTC  
 301 ATCCTTTTTA GGAAAAGAGG GAAAAAATAA AACCCCTCCC CACCACCTCC  
 351 TTCTCCCCAC CCCTCGCCGC ACCACACACA GCGCGGGCTT CTAGCGCTCG  
 401 GCACCGGCGG GCCAGGCGCG TCCTGCCTTC ATTTATCCAG CAGCTTTTCG  
 451 GAAAATGCAT TTGCTGTTCG GAGTTTAATC AGAAGACGAT TCCTGCCTCC

Fig. 7-1

10993420-110501

0993420-10601

501 GTCCCCGGCT CCTTCATCGT CCCATCTCCC CTGTCTCTCT CCTGGGGAGG  
551 CGTGAAGCGG TCCCGTGGAT AGAGATTCAT GCCTGTGTCC GCGCGTGTGT  
601 GCGCGCGTAT AAATTGCCGA GAAGGGGAAA ACATCACAGG ACTTCTGCCA  
651 ATACCGGACT GAAAATTGTA ATTCATCTGC CGCCGCCGCT GCCAAAAAA  
701 AACTCGAGCT CTTGAGATCT CCGGTTGGGA TTCCTGCGGA TTGACATTTT  
751 TGTGAAGCAG AAGTCTGGGA ATCGATCTGG AAATCCTCCT AATTTTTACT  
801 CCCTCTCCCC CCGACTCCTG ATTCATTGGG AAGTTTCAAA TCAGCTATAA  
851 CTGGAGAGTG CTGAAGATTG ATGGGATCGT TGCCTTATGC ATTTGTTTTG  
901 GTTTTACAAA AAGGAACTT GACAGAGGAT CATGCTGTAC TTAAAAATA  
951 CAAGTAAGTC TCGCACAGGA AATTGGTTTA ATGTAACCTT CAATGGAAAC  
1001 CTTTGAGATT TTTTACTTAA AGTGCATTCG AGTAAATTTA ATTTCCAGGC  
1051 AGCTTAATAC ATTGTTTTTA GCCGTGTTAC TTGTAGTGTG TATGCCCTGC  
1101 TTTCACTCAG TGTGTACAGG GAAACGCACC TGATTTTTTA CTTATTAGTT  
1151 TGTTTTTTCT TTAACCTTTC AGCATCACAG AGGAAGTAGA CTGATATTAA  
1201 CAATACTTAC TAATAATAAC GTGCCTCATG AAATAAAGAT CCGAAAGGAA  
1251 TTGGAATAAA AATTCCTGCG GTCTCATGCC AAGAGGGAAA CACCAGAATC  
1301 AAGTGTTCCG CGTGATTGAA GACACCCCTT CGTCCAAGAA TGCAAAGCAC  
1351 ATCCAATAAA ATAGCTGGAT TATAACTCCT CTTCTTTCTC TGGGGGCCGT  
1401 GGGGTGGGAG CTGGGGCGAG AGGTGCCGTT GGCCCCCGTT GCTTTTCCTC  
1451 TGGGAAGGAT GGCGCACGCT GGGAGAACGG GGTACGACAA CCGGGAGATA  
1501 GTGATGAAGT ACATCCATTA TAAGCTGTCT CAGAGGGGCT ACGAGTGGGA  
1551 TGCGGGAGAT GTGGGCGCCG CGCCCCCGGG GGCCGCCCCC GCACCGGGCA  
1601 TCTTCTCCTC CCAGCCCGGG CACACGCCCC ATCCAGCCGC ATCCGCGAC  
1651 CCGGTCGCCA GGACCTCGCC GCTGCAGACC CCGGCTGCCC CCGGCGCCGC  
1701 CGCGGGGCCT GCGCTCAGCC CGGTGCCACC TGTGGTCCAC CTGGCCCTCC  
1751 GCCAAGCCGG CGACGACTTC TCCCGCCGCT ACCGCGGCGA CTTGCGCGAG  
1801 ATGTCCAGCC AGCTGCACCT GACGCCCTTC ACCGCGCGGG GACGCTTTGC  
1851 CACGGTGGTG GAGGAGCTCT TCAGGGACGG GGTGAACTGG GGGAGGATTG  
1901 TGGCCTTCTT TGAGTTCGGT GGGGTCATGT GTGTGGAGAG CGTCAACCGG

Fig. 7-2

0999420-10601

1951 GAGATGTCGC CCCTGGTGGA CAACATCGCC CTGTGGATGA CTGAGTACCT  
2001 GAACCGGCAC CTGCACACCT GGATCCAGGA TAACGGAGGC TGGGATGCCT  
2051 TTGTGGA ACT GTACGGCCCC AGCATGCGGC CTCTGTTTGA TTTCTCCTGG  
2101 CTGTCTCTGA AGACTCTGCT CAGTTTGGCC CTGGTGGGAG CTTGCATCAC  
2151 CCTGGGTGCC TATCTGAGCC ACAAGTGAAG TCAACATGCC TGCCCCAAAC  
2201 AAATATGCAA AAGGTTCACT AAAGCAGTAG AAATAATATG CATTGTCACT  
2251 GATGTACCAT GAAACAAAGC TGCAGGCTGT TTAAGAAAA ATAACACACA  
2301 TATAAACATC ACACACACAG ACAGACACAC ACACACACAA CAATTAACAG  
2351 TCTTCAGGCA AAACGTCGAA TCAGCTATTT ACTGCCAAAG GGAAATATCA  
2401 TTTATTTTTT ACATTATTAA GAAAAAGAT TTATTTATTT AAGACAGTCC  
2451 CATCAAACT CCGTCTTTGG AAATCCGACC ACTAATTGCC AAACACCGCT  
2501 TCGTGTGGCT CCACCTGGAT GTTCTGTGCC TGTAAACATA GATTGCTTT  
2551 CCATGTTGTT GGCCGGATCA CCATCTGAAG AGCAGACGGA TGGAAAAAGG  
2601 ACCTGATCAT TGGGGAAGCT GGCTTTCTGG CTGCTGGAGG CTGGGGAGAA  
2651 GGTGTTTATT CACTTGCACT TCTTTGCCCT GGGGGCGTGA TATTAACAGA  
2701 GGGAGGGTTC CCGTGGGGGG AAGTCCATGC CTCCCTGGCC TGAAGAAGAG  
2751 ACTCTTTGCA TATGACTCAC ATGATGCATA CCTGGTGGGA GGAAAAGAGT  
2801 TGGGAACTTC AGATGGACCT AGTACCCACT GAGATTTCCT CGCCGAAGGA  
2851 CAGCGATGGG AAAAATGCCC TTAAATCATA GGAAAGTATT TTTTAAAGCT  
2901 ACCAATTGTG CCGAGAAAAG CATTTTAGCA ATTTATACAA TATCATCCAG  
2951 TACCTTAAAC CCTGATTGTG TATATTCATA TATTTTGGAT ACGCACCCCC  
3001 CAACTCCCAA TACTGGCTCT GTCTGAGTAA GAAACAGAAT CCTCTGGAAC  
3051 TTGAGGAAGT GAACATTTCT GTGACTTCCG ATCAGGAAGG CTAGAGTTAC  
3101 CCAGAGCATC AGGCCGCCAC AAGTGCCTGC TTTTAGGAGA CCGAAGTCCG  
3151 CAGAACCTAC CTGTGTCCCA GCTTGGAGGC CTGGTCCTGG AACTGAGCCG  
3201 GGCCCTCACT GGCCCTCTCC AGGGATGATC AACAGGGTAG TGTGGTCTCC  
3251 GAATGTCTGG AAGCTGATGG ATGGAGCTCA GAATTCCTCT GTCAAGAAAG  
3301 AGCAGTAGAG GGGTGTGGCT GGGCCTGTCA CCCTGGGGCC CTCCAGGTAG  
3351 GCCCCTTTTC ACGTGGAGCA TAGGAGCCAC GACCCTTCTT AAGACATGTA

Fig. 7-3



00993420-110601

3401 TCACTGTAGA GGGAAGGAAC AGAGGCCCTG GGCCTTCCTA TCAGAAGGAC  
3451 ATGGTGAAGG CTGGGAACGT GAGGAGAGGC AATGGCCACG GCCCATTTTG  
3501 GCTGTAGCAC ATGGCACGTT GGCTGTGTGG CCTTGGCCAC CTGTGAGTTT  
3551 AAAGCAAGGC TTAAATGAC TTTGGAGAGG GTCACAAATC CTAAAAGAAG  
3601 CATTGAAGTG AGGTGTCATG GATTAATTGA CCCCTGTCTA TGGAATTACA  
3651 TGTA AACAT TATCTTGTC CTGTAGTTTG GTTTTATTTG AAAACCTGAC  
3701 AAAAAAAAAAG TTCCAGGTGT GGAATATGGG GGTATCTGT ACATCCTGGG  
3751 GCATTAAAAA AAAATCAATG GTGGGGAAC ATAAAGAAGT AACAAAAGAA  
3801 GTGACATCTT CAGCAAATAA ACTAGGAAAT TTTTTTTTCT TCCAGTTTAG  
3851 AATCAGCCTT GAAACATTGA TGGAATAACT CTGTGGCATT ATTGCATTAT  
3901 ATACCATTTA TCTGTATTAA CTTTGGGAATG TACTCTGTTC AATGTTTAAT  
3951 GCTGTGGTTG ATATTTGAA AGCTGCTTTA AAAAAATACA TGCATCTCAG  
4001 CGTTTTTTTG TTTTAATTG TATTTAGTTA TGGCCTATAC ACTATTTGTG  
4051 AGCAAAGGTG ATCGTTTTCT GTTTGAGATT TTTATCTCTT GATTCTTCAA  
4101 AAGCATTCTG AGAAGGTGAG ATAAGCCCTG AGTCTCAGCT ACCTAAGAAA  
4151 AACCTGGATG TCACTGGCCA CTGAGGAGCT TTGTTTCAAC CAAGTCATGT  
4201 GCATTTCCAC GTCAACAGAA TTGTTTATTG TGACAGTTAT ATCTGTTGTC  
4251 CCTTTGACCT TGTTTCTTGA AGGTTTCCTC GTCCCTGGGC AATTCCGCAT  
4301 TTAATTCATG GTATTCAGGA TTACATGCAT GTTTGGTTAA ACCCATGAGA  
4351 TTCATTCAGT TAAAAATCCA GATGGCGAAT GACCAGCAGA TTCAAATCTA  
4401 TGGTGGTTTG ACCTTTAGAG AGTTGCTTTA CGTGGCCTGT TTCAACACAG  
4451 ACCCACCCAG AGCCCTCCTG CCCTCCTTCC GCGGGGGCTT TCTCATGGCT  
4501 GTCCTTCAGG GTCTTCCTGA AATGCAGTGG TCGTTACGCT CCACCAAGAA  
4551 AGCAGGAAAC CTGTGGTATG AAGCCAGACC TCCCCGGCGG GCCTCAGGGA  
4601 ACAGAATGAT CAGACCTTTG AATGATTCTA ATTTTAAAGC AAAATATTAT  
4651 TTTATGAAAG GTTTACATTG TCAAAGTGAT GAATATGGAA TATCCAATCC  
4701 TGTGCTGCTA TCCTGCCAAA ATCATTTTAA TGGAGTCAGT TTGCAGTATG  
4751 CTCCACGTGG TAAGATCCTC CAAGCTGCTT TAGAAGTAAC AATGAAGAAC  
4801 GTGGACGTTT TTAATATAAA GCCTGTTTTG TCTTTTGTG TTGTTCAAAC

Fig. 7-4

4851 GGGATTCACA GAGTATTTGA AAAATGTATA TATATTAAGA GGTCACGGGG  
4901 GCTAATTGCT AGCTGGCTGC CTTTGTCTGT GGGGTTTTGT TACCTGGTTT  
4951 TAATAACAGT AAATGTGCCC AGCCTCTTGG CCCCAGAACT GTACAGTATT  
5001 GTGGCTGCAC TTGCTCTAAG AGTAGTTGAT GTTGCATTTT CCTTATTGTT  
5051 AAAACATGT TAGAAGCAAT GAATGTATAT AAAAGC

Fig. 7-5

099420 10501  
FO90T" 024E6660

00993420-110601

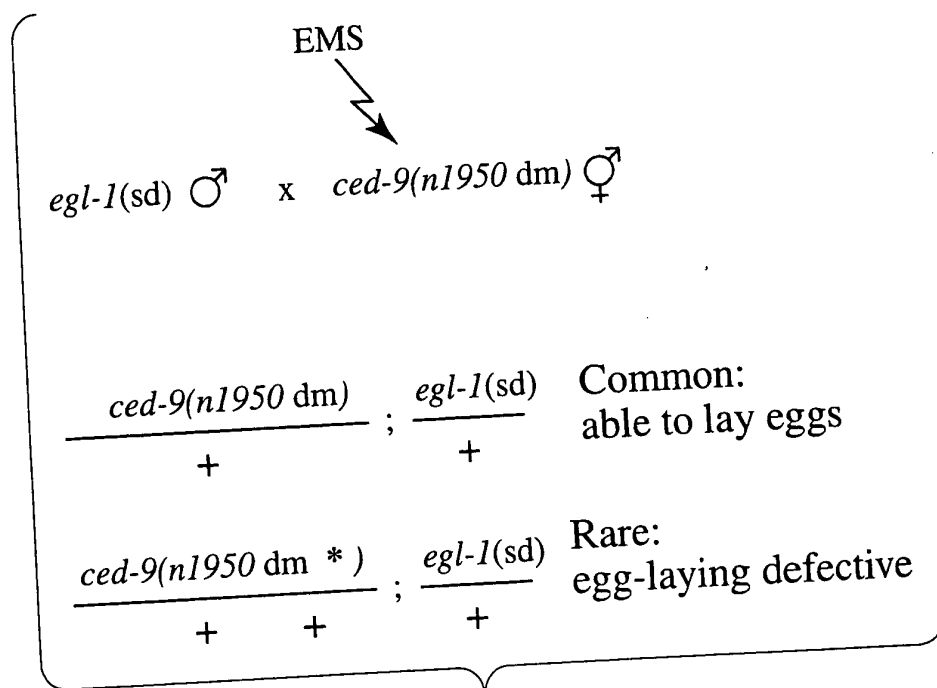


Fig. 8

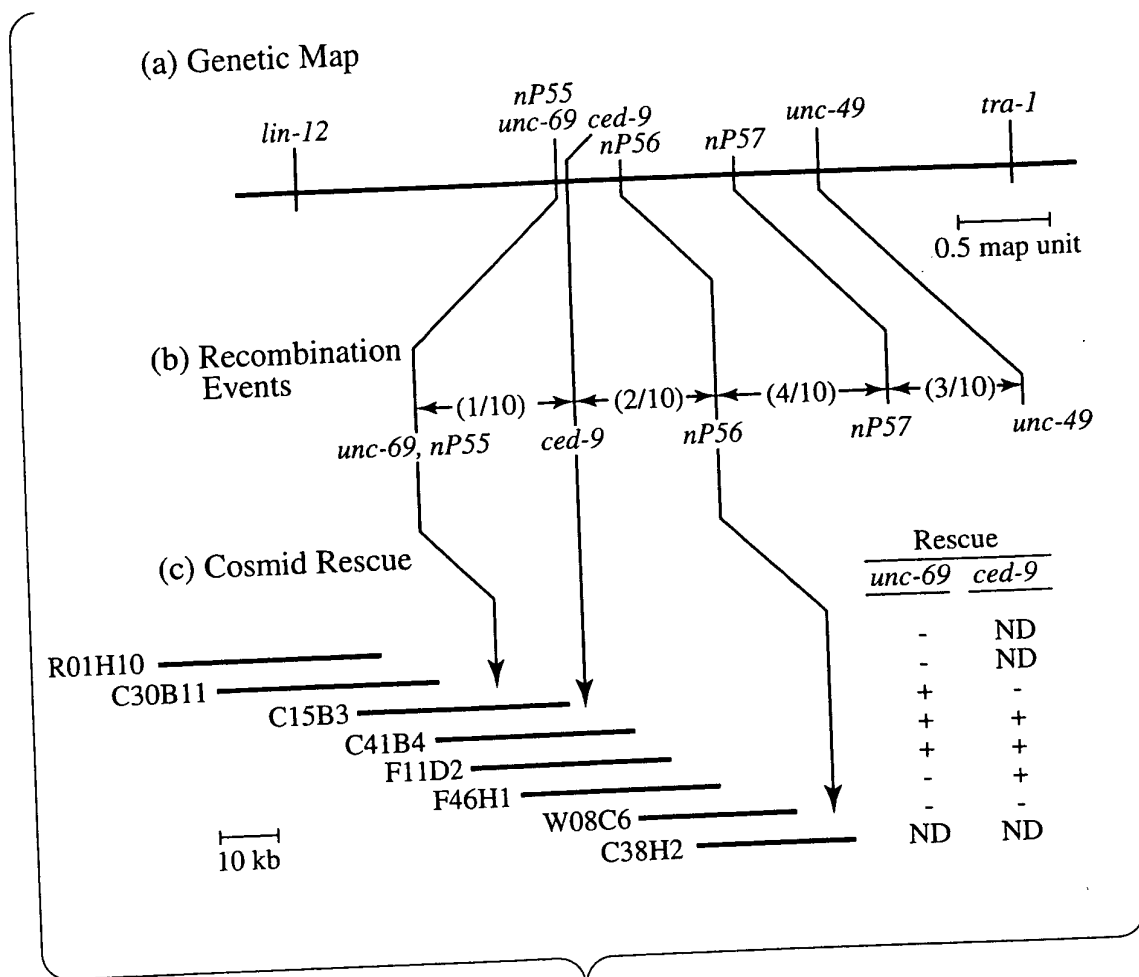


Fig. 9

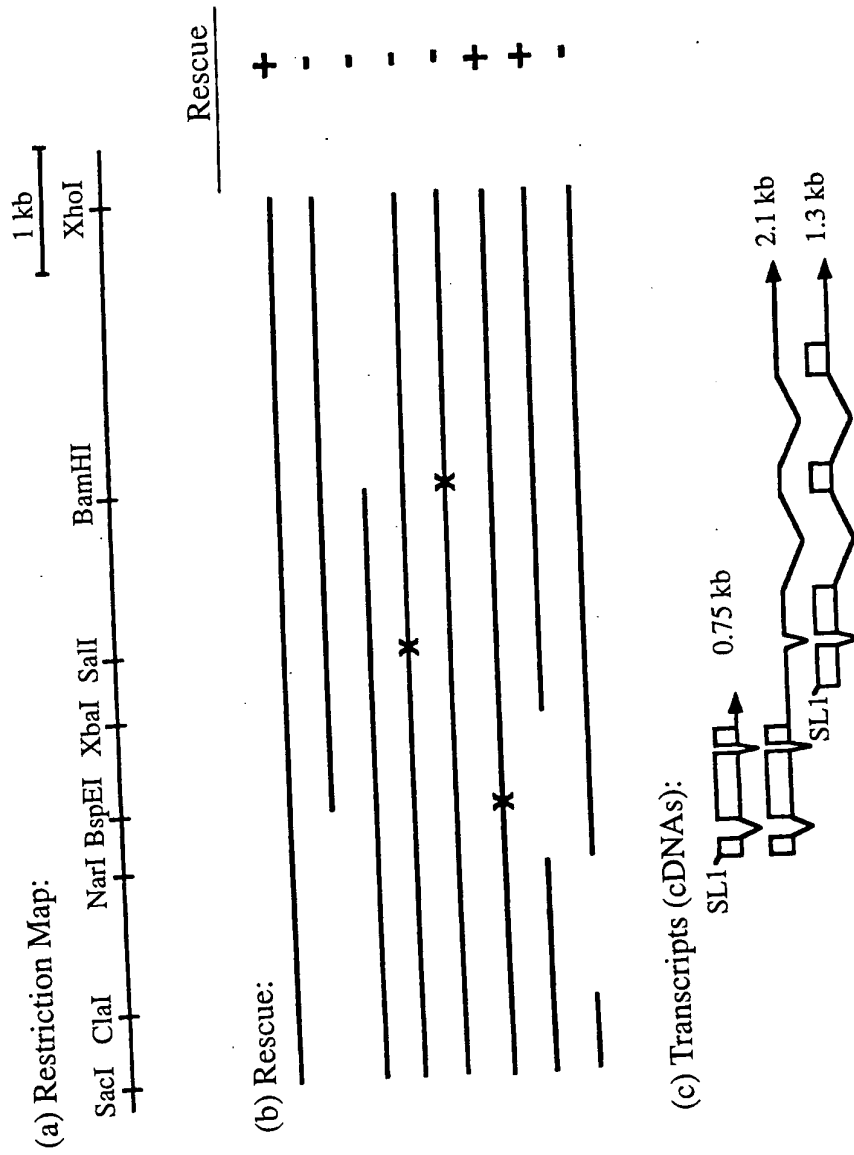


Fig. 10

Figure 11

n3400	
ATG ACA CGC TGC ACG GCG GAC AAC TCG CTG ACG AAT CCG CGG TAT CCG CGA CGA ACG ATG M T R C T A D N S L T N P A Y R R R T M	20
CCG ACT GGC GAG ATG AAG GAG TTT CTG GGG ATA AAA GGC ACA GAG CCC ACC GAT TTT GGA A T G E M K E F L G I K G T E P T D F G	40
ATC AAT AGT GAT GCT CAG GAC TTG CCA TCA CCG AGT AGG CAG GCT TCG ACG CGA AGA ATG I N S D A Q D L P S P S R Q A S T R R M	60
TCC ATC GGA GAG TCA ATT GAT GGA AAA ATC AAT GAT TGG GAA GAG CCA AGG CTT GAT ATC S I G E S I D G K I N D W E E P R L I	80
GAG GGA TTT GTG GTC GAC TAT TTC ACG CAC CGA ATC CGG CAA AAC GGA ATG GAA TGG TTT E G F V V D Y F T H R I R Q N G M E W F	100
BH4	
GGA GCA CCG GGA TTG CCG TGT GGA GTG CAA CCG GAG CAC GAA ATG ATG CGA GTT ATG GGA G A P G L P C G V Q P E H E M R V M G	120
ACG ATA TTC GAG AAG AAG CAC GCG GAA AAT TTT GAG ACC TTC TGT GAG CAG CTG CTC GCA T I F E K K H A E N F E T F C E Q L L A	140
GTG CCC AGA ATC TCA TTT TCA CTG TAT CAG GAT GTG GTT CCG ACG GTT GCA AAT GCA CAG V P R I S F S L Y Q D V V R T V G N A Q	160
ACA GAT CAA TGT CCA ATG TCT TAT GGA CGT TTG ATA GGT CTA ATC TCG TTC GGC GGT TTC T D Q C P M S Y G R L I G L I S F G G F	180
BH1	
GTA GCT GCA AAA ATG ATG GAA TCC GTG GAA CTG CAG GGA CAA GTG CGA AAC CTC TTC GTT V A A K M M E S V E L Q G Q V R N L F V	200
TAC ACA TCG CTG TTC ATC AAA ACG CCG ATC CCG AAC AAC TGG AAG GAA CAC AAT CGG AGC Y T S L F I K T R I R N N W K E H N R S	220
BH2	
TGG GAC GAC TTC ATG ACA CTC GGA AAA ATG AAA GAG GAC TAC GAA CGA GCA GAA GCT W D D F M T L G K Q M K E D Y E R A E A	240
GAA AAA GTG GGA CCG CCG AAG CAG AAC AGA CCG TCG ATG ATT GGC GCT GGA GTA ACA E K V G R R K Q N R R W S M I G A G V T	260
GCT GGA GCC ATT GGA ATC GTT GGA GTC GTG TGT GGG CCG ATG ATG TTC AGC TTG AAG A G A I G I V G V V C G R M M F S L K	280